



## **Wifi Action Camera T86**

### **User Manual**

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## Safety Precautions

Before using the T86, please ensure you read and understand the safety precautions.

- Do not attempt to open the case of the camera or modify it in any way. If the camera has been opened, the warranty will be void. Maintenance and repairs can only be performed by TAT.
- Keep the camera away from water and other liquids (unless used in the waterproof case). Do not handle the T86 with wet hands (unless used in the waterproof case). This may cause the camera to malfunction.
- Recharge the battery using the micro USB Connector (5V/XXXXA). Any variation to voltage or current will cause the camera to fail.
- The T86 should not be used in heat exceeding 60°C (140°F).
- DO NOT drop the T86.
- Avoid placing heavy objects on the T86.
- Do not dispose of this unit in domestic waste.

## What's in the box

Please ensure the product package has the following contents:

A T86 Camera

B Waterproof case

C Portable camera frame

D Roll bar mount for bike

F Helmet mount

I 3M adhesive

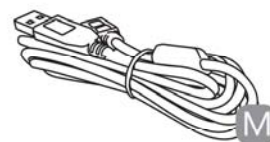
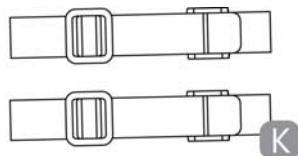
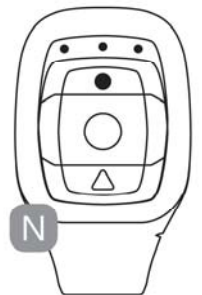
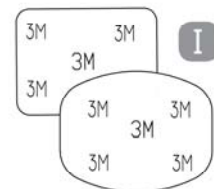
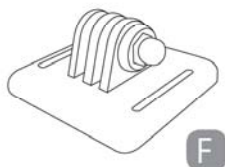
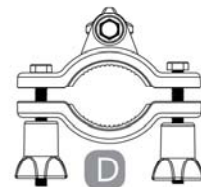
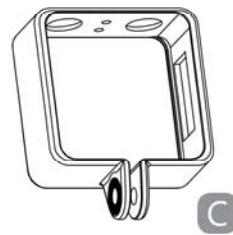
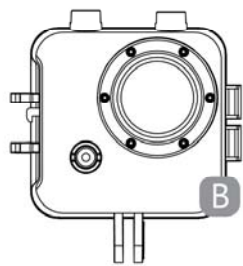
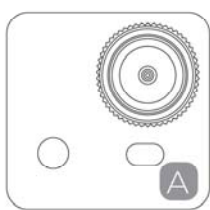
J Lock Bolt

K Helmet strap

L Knuckle

M USB cable

N Wrist Remote controller



## Product Diagram

A WI-FI Activation (Down select)

B LED power indicator

C LCD screen

D SHOOT (menu select)

E Microphone

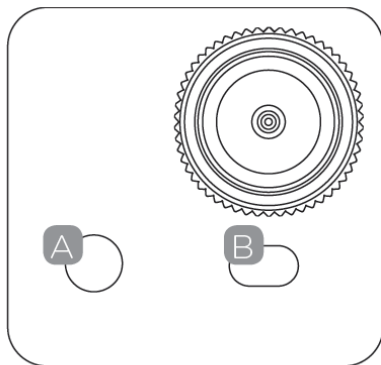
F POWER(and menu)

G USB interface

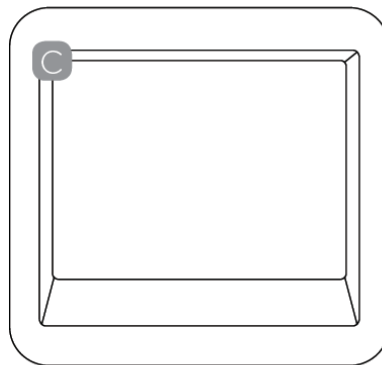
H Micro SD card port

I Mini HDMI interface

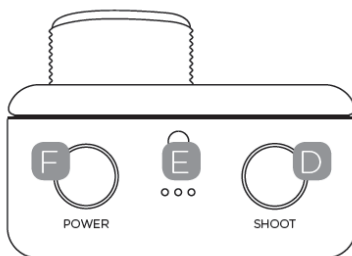
J Removable Li-Battery



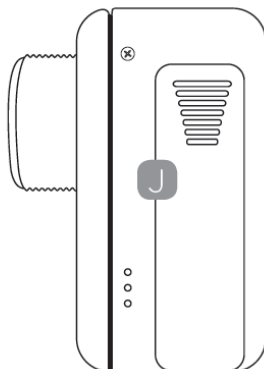
Front



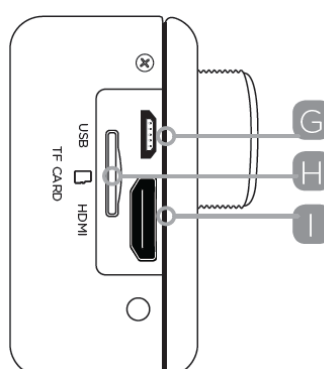
Back



Top



Left Side

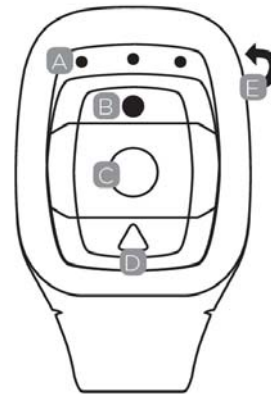


Right Side

## Remote Diagram

Please note: with the remote controller you cannot turn the camera on. Please ensure the camera is switched on before using the remote.

- A LED Indicators
- B Shoot Photo
- C Record Video
- D Power Off
- E Micro USB Charge port on the back of remote



To use the remote, please code first before power on the camera.

Coding procedures:

1. Press and hold the “Picture” & “Video” keys of the remote at the same time, then turn the camera on;
2. When the camera enters into the real live interface, release the “Picture” & “Video” keys;
3. The middle blue indicator lights up, then the coding is finished.

Note:

- Please keep holding the “Picture” & “Video” keys during coding;
- Only need to code once, afterwards the camera will recognize automatically;
- Wi – Fi function & remote controller can not be used simultaneously.

## Setup Your T86

Turn the camera on-press and hold the POWER button for several seconds.

When the camera is on, the CODISK logo will appear on the screen and the three red LED lights will glow red. The camera is now in video mode.



## Video Mode



Video mode screen

Once the camera is turned on, it goes to the video capture mode by default.

Press SHOOT button to start recording. When the recording starts, you will see the red lights start flashing. To end recording, press the SHOOT button again.

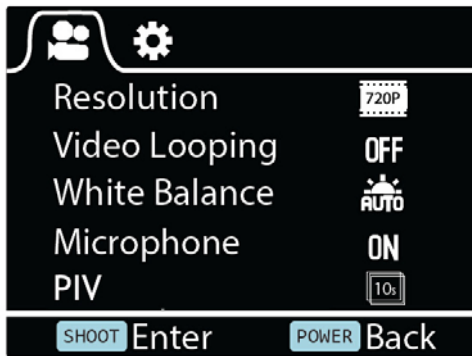
To enter the Settings menu, press the POWER button (press and release immediately-if it is held too long the camera will switch off).

Note: The Setup menu is depending on the active mode. If the video mode is active, it will display video capture settings or if the Picture mode is active, it will display the Image capture settings.

By default, video mode is the active mode when you turn the device on.



## Video Settings



Video Settings Screen (Page 1)

This allows user to adjust Video quality settings.

Navigation: Use Wi-Fi button to navigate, SHOOT button to Enter/Confirm selection, POWER button to go back.

### Resolution

This allows user to set the recording video resolution:

- 1080P 30fps
- 720P 30fps
- 720P 60fps

### Video Looping

This allows user to set record duration

- OFF-In this mode, camera will generate new file on every 30mins
- 2 Min-In this mode, camera will generate new file on every 2mins
- 5 Min-In this mode, camera will generate new file on every 5mins

## White Balance

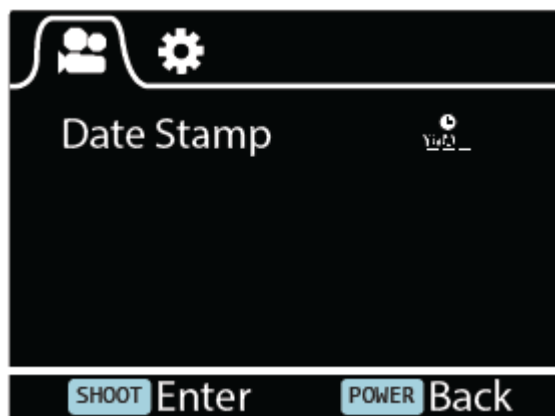
Factory default is Auto. If you switch Auto OFF, remember to adjust when lighting conditions change.

Following pre-set modes are also available

Daylight, Cloudy, Tungsten, Fluor

## Microphone

SELECT Outdoor or Car to record in different scenes with better audio effect,  
SELECT OFF for video only.



Video Settings Screen (Page 2)

## PIV

This will enable auto image capture during the video recording:

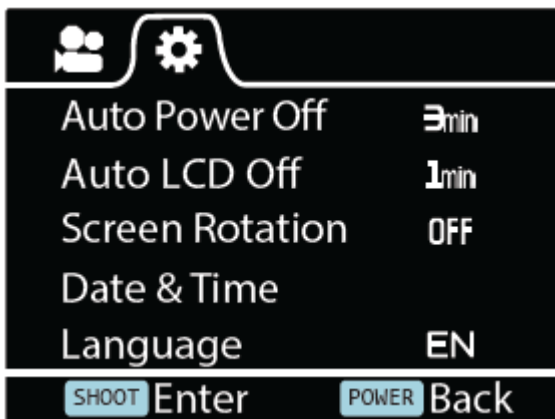
- Off-Disable Auto Image Capture
- 10 Sec-Auto capture on every 10 sec
- 20 Sec-Auto capture on every 20 sec

- 30 Sec-Auto capture on every 30 sec
- 60 Sec-Auto capture on every 60 sec

## Date Stamp

- Off: to turn off displaying date stamp on captures
- Date: to display date on captures
- Date & Time: to display date& time on captures

## General Settings



General Settings Screen (Page 1)

This allows user to adjust the general device settings

To enter General Settings, enter the Settings menu first by pressing POWER button, then press and hold the SHOOT button for 3secs

Navigation: Use Wi-Fi button to navigate, SHOOT button to Enter/Confirm selection, POWER button to go back.

## Auto Power Off

To set Auto Power off function

## Auto LCD Off

This will determine if the LCD will turn off after 1 min, 3 min or 5 min. Press any key to turn the screen on.

Select OFF to keep the screen always ON.

## Screen rotation

To rotate the screen

## Date & Time

This allows user to adjust the date & time.

Note: Use the Wi-Fi button to change the date and time, use SHOOT button to confirm. The date is entered in Year/Month/Day format. Time is based on a 24hr clock.



General Setting Screen (Page 2)

## **Language**

To select the device language

## **Light Frequency**

Selecting the correct light frequency will avoid the possibility for strobing.

## **System**

- Factory Reset; to reset the camera to factory default.
- System Info; to check the firmware version
- Card Info; to see the SD card information

## **Wi-Fi Password**

Set up your new Wi-Fi Password

Note : The default Wi-Fi Password is 1234567890.

Use the Wi-Fi button to navigate, use SHOOT button to confirm.

## **Wi-Fi SSID**

Set up your new Wi-Fi name.

Note: Use the Wi-Fi button to navigate, use SHOOT button to confirm. The name is entered in “ Wi-Fi\_CAM\_000” format, you can only change the last three numbers which are displayed with cycle numbers.

## **Format**

This is to format the card. Choosing to format the card will permanently erase

all data on the card.


## Picture Mode

This mode will allow users to take snapshots



Picture Mode Screen

To activate this mode:

- Turn the camera on
- Press and hold the SHOOT button for 3secs.
- You will see P(  )on top left corner of the screen
- Press SHOOT button to take snapshots

## Picture Settings



Picture Setting Screen (Page 1)

To enter the SETUP menu for Picture Mode, press POWER button (press and release immediately-if it is held too long the camera will switch off).

## Resolution

To select the image resolution

## Quality

To set the image quality

## Metering

Metering mode refers to the way in which a camera determines the exposure.

## White Balance

Factory default is Auto. If you switch Auto OFF, remember to adjust when lighting conditions change



Picture Setting Screen (Page 2)

## **ISO**

This is the measurement of how sensitive a digital camera's sensor is to light.

## **Exposure**

This allows user to set the light exposure value

## **Self-timer**

This allows user to set the timer for auto image capture

## **Date & Time**

This allows user to adjust the date & time

Note: Use the Wi-Fi button to change the date and time, use SHOOT button to confirm, the date is entered in Year/Month/Day format. Time is based on a 24hr clock.

## **Timelapse**

This feature allows you to set the intervals/frequency at which a frame is captured. You can set the time Frequency here.



# Using Your T86

## Preparation

### Charging the battery

Before using the T86 for the first time you should fully charge the battery.

Procedure:

1. Connect T86 to a computer (or other USB power source) using the USB cable (provided).

2. A: If the Camera is on when charging, 3 red lights will glow red until the battery is fully charged.

B: Only one red light will glow red if the camera is off when charging.

3. A completely flat battery will take about 5 hours to be fully charged. The red indicator lights will turn off when the battery is fully charged.

### Insert the Micro SD\*

- It is recommended to use Class 6 (or higher) Micro SD card to shoot smooth video files. Lower class cards may cause the video to be blurry or jerky.

- There is only one correct direction to insert the Micro SD card into the slot.

Do not force the card into the card slot, as it may damage both the camera and the card.

- It is recommended to format new cards of cards that have been previously used in other cameras. To format the Micro SD card:

Note: Formatting the card will permanently delete the contents.


## **Video Recording**

Once the camera is turned on, it goes to the video capture mode by default.

Press SHOOT button to start recording. When the recording starts, you will see the red lights start flashing. To end recording, press the SHOOT button again.

## **Image Capturing**

To take snapshot, you will need to switch the camera from video mode to image capture mode. To enter this mode:

- Turn the camera on
- Press and hold the SHOOT button for 3secs
- You will see  on top left corner of the screen

## **Playback Mode**

Navigation: Use Wi-Fi button to navigate, SHOOT button to Enter/Confirm selection, POWER button to go back.

This will allow you to watch the captured videos & images. Enter the Picture mode first, then press and hold the SHOOT button for 3secs.

To watch a captured video, go to VIDEO and select the file.

To view a captured image, go to IMAGE.

To view a loop recording, go to LOOP.

To delete the image, select the file and Press POWER button. You will see delete option there. You can select the option to delete a single file or all files.

To exit Playback mode press and hold the SHOOT button to return to the normal recording mode.

## **Connecting to TV**

You can display the camera LCD screen on a TV screen.

Note: You will need a Mini HDMI to HDMI cable.

- Turn the camera on
- Connect Mini HDMI end to the port on camera and HDMI end to HDMI port on the TV
- Select the right source on the TV
- Turn the camera on

## Wi-Fi Setup

The T86 allows full camera control, live previewing and playback of photos/videos on most Smartphones and Tablets.

1. Download the App “iSmart DV” from “Google Play” or from the Apple “App Store”.



iSmart DV

2. Activate Wi-Fi on your T86 by pressing Wi-Fi button.
3. Go to the Wi-Fi settings on your Phone, you will see Wi-Fi\_CAM\_000 in the list of available Wireless networks.

Note: You can change the Wi-Fi name in the menu setting.

4. Connect your Phone to the “iSmart DV” via Wi-Fi.
5. The default Wi-Fi Password for the T86 is:

**1234567890**

Note: You can change the Wi-Fi password in the menu setting.

6. Open the app “iSmart DV”

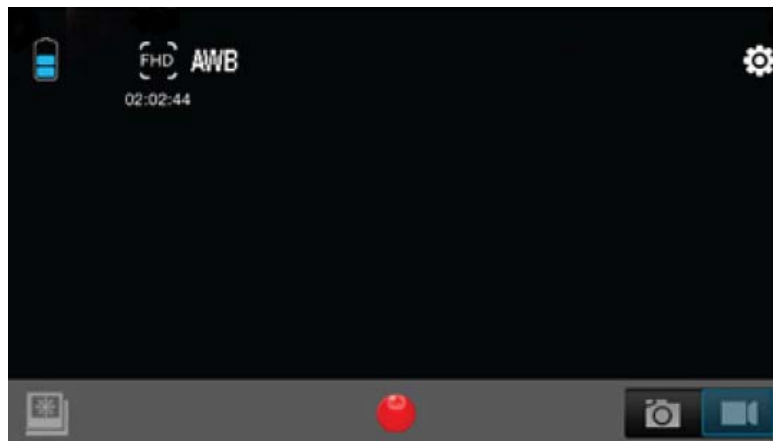
Important: Before connecting camera via Wi-Fi, you need to download the ‘iSmart DV’ App on your smart phone or tablet.

## App Interface Diagram

Battery Icon

Video Resolution

Settings



Playback Mode

Record

Switch Photo/Mode

Note: To watch the recorded videos on your phone, you need to download them first.

## Saving and Viewing Options

### Transferring files to PC

Use the USB cable supplied (M) to connect the camera to your computer.

The camera LCD will display MSDC icon and your computer will see your camera as an external storage device. Alternatively you can remove the Micro SD card and use a card reader (not included) to achieve the same result.

1. Select the file(s) you want to transfer to your computer by highlighting them.

2. Either drag the files to the desired place on your computer (this will make a copy of the file on your computer) OR right-click the file, select “Copy” and right-click in the desired place in your computer and select “Paste”.

Note: You can also transfer entire folders of pictures / videos to your computer.

## **Using the camera as a Webcam**

Connect the camera to PC using supplied USB cable, when you see MSDC on the camera LCD screen, press and hold the SHOOT button for 3secs. Then you will see PCCAM on the camera Screen.

Note: You will not be able to record when the camera is on PCCAM mode.

## **Installing T86 into waterproof case**

- The T86 is designed to be used in the waterproof case (B). Before inserting the T86 in the case, select video or picture mode.

Notes:

- Ensure the case is dry and clean.
- Insert T86, ensuring the lens fits neatly in the lens cavity.
- Close the security latch.
- The T86 can be mounted using the accessories provided.

## **FAQ**

### **Q. Why are the red LEDs flickering?**

A: The battery is running low. You must recharge the camera.

### **Q. My T86 will NOT turn on. Why?**

A: The battery is flat. You need to recharge it (full recharge from flat will take about 5 hours).

### **Q. My T86 turns off automatically. Why?**

A: The battery is running flat or you set auto power off function.

### **Q. Videos and pictures are blurred. Why?**

A: The lens may be dirty. Clean the lens first.

### **Q. My T86 cannot be seen by my computer. Why?**

A: Try a different USB cable or different USB port.

## Specifications

Underwater	Down to 30m (with waterproof casing)
Sensor	3.0 megapixels CMOS sensor
Resolution	Video: 1080P@30fps, 720P@60fps, 720P@30fps
	Still photo: 3 megapixels (12 megapixels interpolated)
Storage type	Micro SD card up to 32GB (not included)
Lens	150°-view fixed lens
Lens aperture	F/2.5 f=2.65mm
Lens focus	0.5m to infinity
Shutter speed	1/30 to 1/2000 sec
Video Looping	OFF, every 2min, every 5min
Sensitivity	Automatic ISO 100-200
Microphone	Built-in
Display	2" TFT LCD
Format	Video: MOV H.264
	Still photo: JPEG
Power supply	3.7V/1000mAh removable Li-Battery
Battery life	Video: about 2.0 hours without Wi-Fi
Dimensions	54x37x51mm
Casing	49.5x76x84mm

## System Requirements

Operating System	Windows XP / Vista / 7 / 8 / MAC OS
App Requirements	Apple iOS & Android
Interface	HDMI (HDMI cable not included)
	High speed USB 2.0



## Declaration

The Manufacturer hereby declares that the CE marking was applied to the T86 camera in accordance with the basic requirements and other relevant provisions of the following CE Directives:

2011/65/EC RoHs Directive

2004/108/EC Low Voltage Directive

1999/5/EG R&TTE Directive

2006/95/EEC LVD Directive

2009/125/EG EuP Directive

2002/96/EG WEEE Directive



The EC Declaration of Conformity can be requested from the address specified on the Warranty card.